EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6024760".pn.	USPAT	OR	OFF	2006/08/22 11:31
S2	49	11/389209 11/362871 11/324234 11/260264 11/229444 11/222809 11/213902 11/205119 11/186809 11/148300 11/137672 11/135466 11/103534 11/090213 11/083024 11/076863 11/076853 10/942124 10/935284 10/933447 10/933377 10/918420 10/890319 10/879359 10/720167 10/700462 10/686481 10/664961 10/658551 10/653233 10/642270 10/617741 10/612991 10/604847 10/452243 10/429025 10/428107 10/360493 10/359822 10/357891 10/347729 10/308211 10/279503 10/263915 10/247023 10/217556 10/199650 10/197970 10/180851 10/160683 09/992343 09/875801 09/873472 09/797431 09/788993 09/707216 09/612640 09/588450 09/564204 09/543538 09/543537 09/541779 09/534289 09/516525 09/467323 09/428189 09/412144 09/411293 09/390152 09/224017 09/179775 09/021465 08/629606 07/882850 07/616991 06/928452 06/724650 06/699152 10/686481 10/802763 10/918420 11/041226 11/247257.app.	USPAT	OR	OFF	2006/08/23 09:39

S3	105	11/389209 11/362871 11/324234 11/260264 11/229444 11/222809 11/213902 11/205119 11/186809 11/148300 11/137672 11/135466 11/103534 11/090213 11/083024 11/076863 11/076853 10/942124 10/935284 10/933447 10/933377 10/918420 10/890319 10/879359 10/720167 10/700462 10/686481 10/664961 10/658551 10/653233 10/642270 10/617741 10/612991 10/604847 10/452243 10/429025 10/428107 10/360493 10/359822 10/357891 10/347729 10/308211 10/279503 10/263915 10/247023 10/217556 10/199650 10/197970 10/180851 10/160683 09/992343 09/875801 09/873472 09/797431 09/788993 09/707216 09/612640 09/588450 09/564204 09/543538 09/543537 09/541779 09/534289 09/516525 09/467323 09/428189 09/412144 09/411293 09/390152 09/224017 09/179775 09/021465 08/629606 07/882850 07/616991 06/928452 06/724650 06/699152 10/686481 10/802763 10/918420 11/041226 11/247257.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 09:39
S4	25	"5702235" "6340293".pn.	USPAT	OR	OFF	2006/08/23 09:41
S5	24	"5702235" "6340293".prn.	USPAT	OR	OFF	2006/08/23 09:41
S6	0	"570235".pn.	USPAT	OR	OFF	2006/08/23 09:42
S7	1	"5702235".pn.	USPAT	OR	OFF	2006/08/23 09:42
S8	1	"6340293".pn.	USPAT	OR	OFF	2006/08/23 09:42
S9	0	D462403.app.	USPAT	OR	OFF	2006/08/23 11:09
S10	1	D462403.pn.	USPAT	OR	OFF	2006/08/23 11:09
S11	0	417/222.20.ccls.	USPAT	OR	OFF	2006/08/23 15:41
S12	0	417/222.20.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 17:14
S13	564	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/03 14:59
S14	0	("2006/0083625").URPN.	USPAT	OR	OFF	2006/08/23 16:07
S15	0	("2005/0169768").URPN.	USPAT	OR	OFF	2006/08/23 16:12
S16	49	("4606705" | "4685866" | "4687419" | "4702677" | "4723891" | "4730986" | "4737079" | "4875832").PN. OR ("5145326").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 17:12

S17	0	137/251.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 17:12
S18	698	137/251.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 17:12
S19	1547	417/269.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 17:15
S20	5	("20040086391" | "5165863" | "6244159" | "6354811" | "6485267").PN. OR ("6974311").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/28 17:37
S21	565	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/03 19:53
S22	5462	S21 (("polymide" "polymide film" "ployimide" "polyimide film") and (plurality or composit) and (laminat$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 15:56
S23	1	S21 and (("polymide" "polymide film" "ployimide" "polyimide film") and (plurality or composit) and (laminat$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 15:57
S24	0	S21 and ("polymide" "polymide film")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 15:57
S25	2	S21 and (polyimide) and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:37
S26	1	10/686481.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 16:10
S27	1	S21 and (Kapton Kinel Upilex Upimol Vespel)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:03
S28	0	60/260357.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 17:26
S29	1	10/036514.app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 17:27
S30	15	("20020067994" | "20020141881" | "5145326" | "5173032" | "5890876" | "5964578" | "5975859" | "6010312" | "6059538" | "6062823" | "6062824" | "6102670" | "6142445" | "6146106" | "6352057").PN. OR ("6688853").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:03

EAST Search History

S31	1	S21 and (Kapton)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:03
S32	6	S30 and (diaphragm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:04
S33	16	("5050840" | "5160116" | "5261637" | "5588590" | "5752689" | "5856771" | "5890876").PN. OR ("6142445").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:30
S34	0	S21 and (poly and diaphragm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:36
S35	0	S21 and poly and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:37
S36	0	S21 and polyi and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:37
S37	2	S21 and polyimide and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:37
S38	0	S21 and "poly" and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:44
S39	2	S21 and "polymer" and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:38
S40	152	S21 and diaphragm$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:45
S41	6	S40 and film	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 18:45
S42	335	S21 and "crank chamber" and port	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:29
S43	57	S42 and (("second port " or "2nd port" near crank))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 19:11
S44	2700	"21" and ("2nd plunger" or "second plunger")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/03 15:00
S45	565	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 21:29

S46	8	S45 and ("2nd plunger" or "second plunger")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 11:31
S47	565	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/03 19:53
S48	26	("4606705" | "5145326" | "5173032" | "5332365" | "5586870" | "5702235" | "5785502" | "5842835").PN. OR ("6010312").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 16:59
S49	0	"5417552".app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:09
S50	1	"5417552".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:09
S51	44	("1367914" | "2160978" | "2663492" | "3304886" | "3498227" | "3696710" | "3817660" | "3851669" | "4007663" | "4174191" | "4226572" | "4347778" | "4712982" | "4723891" | "4872814" | "4880361" | "5174728" | "5178521" | "5181834" | "5201261" | "5207078" | "5228841" | "5232349" | "5286173" | "5292233" | "5304042" | "5316446" | "5336056" | "5342178").PN. OR ("5417552").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:16
S52	44	("1367914" | "2160978" | "2663492" | "3304886" | "3498227" | "3696710" | "3817660" | "3851669" | "4007663" | "4174191" | "4226572" | "4347778" | "4712982" | "4723891" | "4872814" | "4880361" | "5174728" | "5178521" | "5181834" | "5201261" | "5207078" | "5228841" | "5232349" | "5286173" | "5292233" | "5304042" | "5316446" | "5336056" | "5342178").PN. OR ("5417552").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:36
S53	1	"6164252".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:36
S54	10	("4175915" | "4294139" | "4433596" | "5113809" | "5782219").PN. OR ("6164252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:36
S55	10	("4175915" | "4294139" | "4433596" | "5113809" | "5782219").PN. OR ("6164252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 17:37

| S56 | 230 | ("0575991" \| "0748559" \| "0773206" \| "0780549" \| "0812636" \| "0821546" \| "0868947" \| "0876202" \| "0893181" \| "0933316" \| "1038537" \| "1042018" \| "1233635" \| "1255973" \| "1282179" \| "1282180" \| "1300098" \| "1316679" \| "1346672" \| "1355485" \| "1370927" \| "1411556" \| "1520960" \| "1582076" \| "1637017" \| "1679924" \| "1696676" \| "1698102" \| "1732659" \| "1787493" \| "1808380" \| "1814946" \| "1819137" \| "1825691" \| "1844386" \| "1869440" \| "1891927" \| "1895206" \| "1948827" \| "1968470" \| "1978194" \| "20030046932" \| "2009495" \| "2028557" \| "2042730" \| "2065790" \| "2083730" \| "2097138" \| "2105019" \| "2150162" \| "2152351" \| "2152811" \| "2216342" \| "2216343" \| "2222294" \| "2251543" \| "2257258" \| "2258127" \| "2258138" \| "2278696" \| "2282721" \| "2282722" \| "2341203" \| "2379119" \| "2403282" \| "2424660" \| "2451455" \| "2464228" \| "2475295" \| "2583564" \| "2650676" \| "2737055" \| "2827792" \| "2918012" \| "3007462" \| "3101621" \| "3180159" \| "3182644" \| "3196698" \| "3212483" \| "3257855" \| "3276276" \| "3319874" \| "3357209" \| "3398699" \| "3528317" \| "3528394" \| "3910242" \| "3943895" \| "3945359" \| "4066049" \| "4077269" \| "4152944" \| "4166398" \| "4207779" \| "4209980" \| "4433596" \| "4454779" \| "4497284" \| "4502427" \| "4515113" \| "4516536" \| "4523549" \| "4688439" \| "4727761" \| "4736715" \| "4745814" \| "4869212" \| "4905637" \| "4986226" \| "5007385" \| "5027755" \| "5027756" \| "5083532" \| "5094195" \| "5103778" \| "5113809" \| "5205718" \| "5269193" \| "5273012" \| "5368449" \| "5415077" \| "5437251" \| "5442971"). PN. OR ("5450823" \| "5553582" \| "5564372" \| "5638778" \| "5749337" \| "5752413" \| "5762039" \| "5782219" \| "5904044" \| "5950580" \| "5992357" \| "6003480" \| "6098578" \| "6164252" \| "6202606" \| "6305334" \| "6305335" \| "6390052" \| "6397794" \| "6487858"). PN. OR ("6968751").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/04 18:37 |
| S57 | 7435 | "swash plate" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/04 18:37 |

S58	921	"variable displacement compressor"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 18:37
S59	601	S58 and ("swash plate" and "piston")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 18:37
S60	18	S59 and "linkage"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 18:38
S61	21	("4543043" | "4606705" | "4960366" | "5056416" | "5145326" | "5173032" | "5231914" | "5255569" | "5529461" | "5573379" | "5681150" | "5702235" | "5785502" | "6010312").PN. OR ("6244159").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/04 19:32
S62	7	("4702677" | "4875832" | "4932843" | "4936752" | "5165863" | "5332365" | "5681150").PN. OR ("6394761").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 10:37
S63	5	("20040086391" | "5165863" | "6244159" | "6354811" | "6485267"). PN. OR ("6974311").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 12:43
S64	1	"5332365".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 12:46
S65	29	taguchi-yukihiko.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 12:46
S66	27	("4037993" | "4171191" | "4428718" | "4526516" | "4606705" | "4621983" | "4685866" | "4688997" | "4723891" | "4730986" | "5071321" | "5092741" | "5094589" | "5145326" | "5174727"). PN. OR ("RE35672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 12:51
S67	34	("4037993" | "4171191" | "4428718" | "4526516" | "4606705" | "4621983" | "4685866" | "4688997" | "4723891" | "4730986" | "5071321" | "5092741" | "5094589" | "5145326" | "5174727"). PN. OR ("5332365").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 17:14
S68	566	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:29
S69	336	S68 and "crank chamber" and port	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:29
S70	20	("1780442" | "2019724" | "2316066" | "2328824" | "2577902" | "2983111" | "3803863" | "3818717" | "3977207" | "4342199").PN. OR ("4531378").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:56

EAST Search History

S71	179012	"21" and ("c-shaped" or "annular") and (guide)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:57
S72	163	S68 and ("c-shaped" or "annular") and (guide)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:31
S73	4	S68 and ("c-shaped" or "annular") near (guide)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 14:59
S74	4	("3471119" | "5890876" | "6213445"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:01
S75	0	S68 and (annular or ring) near (guide or position$3 or fasten$3) same plunger	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:33
S76	381	S68 and bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:38
S77	211	S76 and (annular or c-shaped)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:39
S78	141	S77 and guide	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 15:43
S79	3	S68 and c-ring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:06
S80	3	S68 and "c-ring"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:08
S81	211	S68 and "c-"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:10
S82	10	S68 and ("c-" with "guide")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:13
S83	2320	("c-shaped" or "c-ring") with bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14
S84	1286347	("c-shaped" or "c-ring") ady bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14
S85	3065141	j	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14

S86	184	("c-shaped" or "c-ring") adj bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14
S87	1015314	S86 and control valve	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14
S88	6	S86 and "control valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:14
S89	21	("4702677" | "4723891" | "4732544" | "5145326").PN. OR ("5205718").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 16:25
S90	0	("2006/0165536").URPN.	USPAT	OR	OFF	2006/10/10 16:54
S91	2	S68 and ("semi-circular" and (bracket or guide))	USPAT	OR	OFF	2006/10/10 16:56
S92	1	S68 and ("semi-circular" and (bracket))	USPAT	OR	OFF	2006/10/10 16:56
S93	2	S68 and ("semi-circular" and (guide))	USPAT	OR	OFF	2006/10/10 16:57
S94	5	S68 and ("semi-circular")	USPAT	OR	OFF	2006/10/10 16:59
S95	70	S68 and ("o-ring")	USPAT	OR	OFF	2006/10/10 16:59
S96	12	("4669272" | "4886423" | "4932843" | "5025636" | "5201189" | "5205718" | "5577894" | "5653119" | "6119473" | "6234763").PN. OR ("6332329").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 17:33
S97	91	S68 and "snap ring"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 17:53
S98	1	S68 and "c-clip"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:19
S99	0	S68 and "c with bracket"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:28
S100	0	S68 and c with bracket	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:20
S101	10	("4932843" | "5588807" | "5964578" | "5971716" | "6010312" | "6036447" | "6059538" | "6126405" | "6162026" | "6164925").PN. OR ("6257836").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:20
S102	37	S68 and "bracket"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:28
S103	8	("4815358" | "5387091" | "5797730" | "Re32403").PN. OR ("6280152"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 18:40

S10 4	567	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 19:32
S10 5	0	S104 and (("diaphram" and "pressure-sensing") with layers)	USPAT	OR	OFF	2006/10/12 19:32
S10 6	0	S104 and (("diaphragm" and "pressure-sensing") with layers)	USPAT	OR	OFF	2006/10/12 19:32
S10 7	0	S104 and ((diaphragm and pressure-sensing) with layer$3)	USPAT	OR	OFF	2006/10/12 19:33
S10 8	0	S104 and ((diaphragm and pressure-sensing) and layer$3)	USPAT	OR	OFF	2006/10/12 19:34
S10 9	0	S104 and (diaphragm and pressure-sensing and layer$3)	USPAT	OR	OFF	2006/10/12 19:34
S11 0	3	S104 and (diaphragm and layer$3)	USPAT	OR	OFF	2006/10/12 19:36
S11 1	111	S104 and (diaphragm)	USPAT	OR	OFF	2006/10/12 21:35
S11 2	12	("4752189" | "4932843" | "5318410" | "5332365" | "6192699" | "6231727"). PN. OR ("6334759").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 19:52
S11 3	18	("4747753" | "4778348" | "4780059" | "4780060" | "4842488").PN. OR ("4940393").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 20:20
S11 4	1	"5648109".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 20:21
S11 5	29	("3614811" | "3938361" | "4079613" | "4163378" | "4475976" | "4559797" | "4576776" | "4608220" | "4658618" | "4676086" | "4693103" | "4715923" | "4765166" | "4875962" | "5037599" | "5108532" | "5139405" | "5145621" | "5156795" | "5173314" | "5328540" | "5380480" | "5468331").PN. OR ("5648109").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 20:22
S11 6	7	("5145326" | "5762476" | "6164925" | "6192699" | "6213727" | "6302656" | "6334759").PN. OR ("6746214").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 20:28
S11 7	155	S104 and ((diaphragm or "pressure sensing" or "pressure-sensing") and "control valve")	USPAT	OR	OFF	2006/10/12 20:40
S11 8	567	417/222.2.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 21:29
S11 9	150	S118 and "polyimide" or "superpolymer"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 21:30

EAST Search History

S12 0	8	S119 and "control valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 21:30
S12 1	329	S104 and "control valve"	USPAT	OR	OFF	2006/10/12 21:35
S12 2	246	S121 and "variable displacement" with "compressor"	USPAT	OR	OFF	2006/10/12 21:35
S12 3	93	S122 and ("pressure sensing" or "pressure-sensing")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/12 21:36